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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER

20030017 5

CONCERNING A SUBMISSI	ON UNDER 35 U.S.C. 371	0.5. APP 17 5 1 1 1 2 3 8 FR 1.5)						
US2003/041710	INTERNATIONAL FILING DATE 31 DEC 2003	PRIORITY DATE CLAIMED 03 FEB 2003						
ITLE OF INVENTION		00 100 1000						
OMethod And Apparatus For	Generating Mid And Long	IR Wavelength Radiation						
APPLICANT(S) FOR DO/EO/US Setzler, Scott D.								
Applicant herewith submits to the United S	tates Designated/Elected Office (DO/EC	O/US) the following items and other information:						
	oncerning a submission under 35 U.S.C. 371							
2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.								
This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.								
4. The US has been elected (Article 31).								
A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
a. is attached hereto (required only if not communicated by the International Bureau).								
b. 🚽 has been communicated by								
<b></b>	c. is not required, as the application was filed in the United States Receiving Office (RO/US).  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).							
a. is attached hereto.	e international Application as filed (35 U.S.C	. 371(c)(2)).						
GTT.	tted under 35 U.S.C. 154(d)(4).							
	rnational Application under PCT Article 19 (3	95 U.S.C. 371(c)(3))						
	red only if not communicated by the Internati							
	by the International Bureau.							
c. have not been made; how	ever, the time limit for making such amendme	ents has NOT expired.						
d. X have not been made and v	vill not be made.							
	e amendments to the claims under PCT Artic	cle 19 (35 U.S.C. 371(c)(3)).						
An oath or declaration of the inventor		;						
10. An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	e annexes of the International Preliminary Ex	amination Report under PCT						
Items 11 to 20 below concern document(s	or information included:	·						
11. An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.							
[ <del></del> ]	g. A separate cover sheet in compliance with	37 CFR 3.28 and 3.31 is included.						
13. A preliminary amendment.								
14. An Application Data Sheet under 37 C	FR 1.76.	••						
15. A substitute specification.		<u>.</u>						
16. Lx A power of attorney and/or change of								
	ence listing in accordance with PCT Rule 13							
C	ational Application under 35 U.S.C. 154(d)(4)							
20. Other items or information:	e translation of the international application u	nder 35 U.S.C. 154(d)(4).						
· · · · · · · · · · · · · · · · ·								

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## JC09 Rec'd PCT/PTO 21 JUN 2005

PTO-1390 (Rev. 02-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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U.S. APPLIÇAT	ION NO. (if know)	n, see 37 CFR 1.5 4 <b>n 2 9 8</b>	US2003/04		ATTORNEY'S DOCKET NUMBER 20030017		
The following fees have been submitted			CALCULATIONS	PTO USE ONLY			
21. 🔼 Basi	c national fee			\$300	\$300.00		
22. X Examination fee  If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)					\$200.00		
23. Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority					\$100.00		
TOTAL OF 21, 22 and 23 =				\$ 600.00			
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					·		
Total Sheets	Extra Sheets		additional 50 or fraction p to a whole number)	RATE			
- 100 =				× \$250	\$		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).					\$		
CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$		
Total claims		19 -20=	0	x \$50	\$ 0.00		
Independent clair	ns ·	3 -3=	0	× \$200	\$ 0.00		
MULTIPLE DEPE	NDENT CLAIM(S	(if applicable)		+ \$360	\$		
TOTAL OF ABOVE CALCULATIONS =				\$			
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.							
SUBTOTAL =					\$600.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$			
TOTAL NATIONAL FEE =				\$ 600.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$			
	<u></u>		TOTAL F	EES ENCLOSED =	\$ 600.00		
				Amount to be	s		
					refunded: Amount to be charged:	\$600.00	
a. A check in the amount of \$ to cover the above fees is enclosed.							
b. Please charge my Deposit Account No. 190130 in the amount of \$ 600.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.							
c. The Commissioner is bereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No190130. A duplicate copy of this sheet is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.							
SEND ALL CORRESPONDENCE TO:					<u>·</u>		
BAF. Systems 65 Spit Brook Road SIGNATURE				7			
NHQ01-71		-		LONG, Daniel J.			
Nashua, NH 03060							
				29,404 REGISTRATIO	N NUMBER		

EXPRESS MAIL CERT: <u>EV564042259US</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Setzler, Scott D.

Filed:

Herein

Atty. Dkt. No: 20030017

For:

Method And Apparatus For Generating Mid And Long IR Wavelength Radiation

CERTIFICATE OF MAILING 37 CFR 1.10: I certify that this correspondence is being deposited on the below date with the U.S. Postal Service with sufficient postage as EXPRESS MAIL addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date:

( )1-15

Signed:

Alouis avoa

Gloria Ábbasciano

Dear Sir:

## **LETTER OF TRANSMITTAL**

Submitted herewith pursuant to 35 USC 371, is a US National Stage Patent Application of International Application No. PCT/US2003/041710.

PAYMENT: Authorization is hereby given to charge filing fee to Deposit Account 190130. All necessary fees relating to the attached submittal, if any, are intended to be included. However, the Office is hereby authorized to charge any deficiency or credit any overpayment in the fees to deposit account 190130.

Respectfully submitted,

Customer Number 22500 Correspondence Address:

BAE SYSTEMS

65 Spit Brook Road, NHQ1-719

Nashua, NH 03060

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Daniel J. Long, Reg. No. 29,404